WHAT IS CLAIMED IS:

- 1. A method for improving the adhesion properties and switching performance of an electrophoretic display, which method comprises (a) applying a lamination adhesive to a component of said electrophoretic display, or (b) sealing display cells with a sealing composition, wherein said lamination adhesive or sealing composition comprises a high dielectric polymer or oligomer, a radically or photochemically graftable polymer, and optionally a crosslinking agent.
- 2. The method of Claim 1 wherein said polymer or oligomer has a dielectric constant in the range of about 3.5-17.
- 3. The method of Claim 2 wherein said polymer or oligomer has a dielectric constant in the range of about 6-15.
- 4. The method of Claim 1 wherein said polymer or oligomer is a polyurethane, polyurea, polycarbonate, polyamide, polyester, polycaprolactone, polyvinyl alcohol, polyether, polyvinyl acetate derivative, polyvinyl fluoride, polyvinylidene fluoride, polyvinyl butyral, polyvinylpyrrolidone, poly(2-ethyl2-oxazoline), high-acid-number acrylic or methacrylic polymer or copolymer, gum Arabic, alginate, lecithin or polymer derived from an amino acid.
- 5. The method of Claim 4 wherein said polymer or oligomer comprises a functional group for chain extension or crosslinking.
- 6. The method of Claim 4 wherein said polymer or oligomer is selected from the group consisting of polyurethanes, polyureas, polycarbonates, polyesters and polyamides.
- 7. The method of Claim 6 wherein said polymer or oligomer comprises a functional group selected from the group consisting of -OH, -SH, -NCO, -NCS, -NHR, -NRCONHR, -NRCSNHR, vinyl, epoxide and derivatives thereof, wherein R is hydrogen, alkyl, aryl, alkylaryl or arylalkyl.
- 8. The method of Claim 7 wherein said polymer or oligomer is a functionalized polyurethane.

- 9. The method of Claim 8 wherein said functionalized polyurethane is hydroxyl terminated polyester polyurethane or polyether polyurethane, isocyanate terminated polyester polyurethane or polyether polyurethane or polyether polyurethane or polyether polyurethane.
- 10. The method of Claim 9 wherein said functionalized polyurethane is a hydroxyl terminated polyester polyurethane.
- 11. The method of Claim 10 wherein said hydroxyl terminated polyester polyurethanes is selected from the IROSTIC series.
- 12. The method of Claim 1 wherein said graftable polymer is a cellulose derivative or a polyvinyl alcohol derivative.
- 13. The method of Claim 12 wherein said cellulose is cellulose acetate butyrate, cellulose acetate propionate, hydroxypropyl cellulose, hydroxybutyl cellulose, hydroxyethyl cellulose, methyl cellulose, carboxymethyl cellulose, or a copolymer thereof.
- 14. The method of Claim 12 wherein said polyvinyl alcohol derivative is polyvinyl acetal, polyvinyl butyral, or a copolymer thereof.
- 15. The method of Claim 1 wherein said graftable polymer is cellulose acetate, cellulose acetate butyrate, cellulose acetate propionate, polyvinyl acetal or a copolymer thereof.
- 16. The method of Claim 1 wherein said graftable polymer is present in an amount of about 5% to about 30% by weight of the high dielectric polymer or oligomer.
- 17. The method of Claim 16 wherein said graftable polymer is present in an amount of about 10% to about 20% by weight of the high dielectric polymer or oligomer.
- 18. The method of Claim 1 wherein said lamination adhesive or sealing composition further comprising a photoinitiator.

- 19. The method of Claim 18 wherein said photoinitiator is benzophenone, ITX (isopropyl thioxanthone), BMS (4(p-tolylthio)benzophenone), Irgacure 651 (2,2-dimethoxy-1,2-diphenylethane), 907 (2-methyl-1-[4-(methylthio)phenyl]-2-morpholino-1-propanone), 369 (2-benzyl-2-(dimethylamino)-1-[4-(4-morpholinyl)phenyl]-1-butanone) or 184 (1-hydroxycyclohexylphenylketone).
- 20. The method of Claim 18 wherein said photoinitiator is present in an amount of about 0.5% to about 5% by weight based on the total weight of the high dielectric polymer or oligomer and the graftable polymer.
- 21. The method of Claim 20 wherein said photoinitiator is present in an amount of about 1% to about 3% by weight based on the total weight of the high dielectric polymer or oligomer and the graftable polymer.
- 22. The method of Claim 1 wherein said crosslinking agent is a multifunctional isocyanate.
- 23. The method of Claim 22 wherein said multifunctional isocyanate is an aliphatic polyisocyanate.
- 24. The method of Claim 23 wherein said aliphatic polyisocyanate is Desmodur N-100 (from Bayer) or Irodur E-358 (from Huntsman Polyurethane).
- 25. The method of Claim 1 further comprising a catalyst when the crosslinking agent is present.
- 26. The method of Claim 25 wherein said catalyst is selected from the group consisting of organotin catalysts, organozirconium catalysts and bismuth catalysts.
 - 27. The method of Claim 26 wherein said organotin catalyst is dibutyltin dilaurate.
- 28. A composition for adhesion or sealing the display cells of an electrophoretic display comprising a high dielectric polymer or oligomer, a radically or photochemically graftable polymer and optionally a crosslinking agent.

- 29. The composition of Claim 28 wherein said polymer or oligomer is a hydroxyl terminated polyester polyurethane, hydroxyl terminated polyether polyurethane, isocyanate terminated polyether polyurethane, acrylate terminated polyether polyurethane, or acrylate terminated polyether polyurethane.
- 30. The composition of Claim 28 wherein said polymer or oligomer is a hydroxyl terminated polyester polyurethane.
- 31. The composition of Claim 30 wherein said hydroxyl terminated polyester polyurethanes is selected from the IROSTIC series.
- 32. The composition of Claim 28 wherein said graftable polymer is a cellulose derivative or a polyvinyl alcohol derivative.
- 33. The composition of Claim 32 wherein said cellulose is cellulose acetate butyrate cellulose acetate propionate, hydroxypropyl cellulose, hydroxybutyl cellulose, hydroxyethyl cellulose, methyl cellulose, carboxymethyl cellulose, or a copolymer thereof.
- 34. The composition of Claim 32 wherein said polyvinyl alcohol derivative is polyvinyl acetal, polyvinyl butyral, or a copolymer thereof.
- 35. The composition of Claim 28 wherein said graftable polymer is cellulose acetate, cellulose acetate butyrate, cellulose acetate propionate, polyvinyl acetal or a copolymer thereof.
- 36. The composition of Claim 28 wherein said crosslinking agent is a multifunctional isocyanate.
- 37. The composition of Claim 28 further comprising a catalyst when the crosslinking agent is present.
 - 38. The composition of Claim 37 wherein said catalyst is an organotin catalyst.
- 39. The method of Claim 1 wherein said electrophoretic display is prepared using the microcup technology.

- 41. An electrophoretic display comprising an electrode protecting layer which comprises a high dielectric polymer or oligomer, a graftable polymer and optionally a crosslinking agent.
- 42. The electrophoretic display of Claim 41 which is prepared using the microcup technology.